

Notice of Allowability

Application No.

09/827,185

Examiner

Kwang B. Yao

Applicant(s)

TOURUNEN ET AL.

Art Unit

2667

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the present application filed on 4/5/01.
2. ☒ The allowed claim(s) is/are 1-22, renumbered 1,2,4,5,7,8,3,9,10,6,11-13,15,16,18,19,14,20,21,17,22, respectively.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 8/12/04.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 7/30/01,12/4/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 8/12/04.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Geza C. Ziegler, Jr. on 8/12/04.

The application has been amended as follows:

Claim 9, line 8, after "in response to", delete "said telecommunication networks", insert --said first telecommunication network and second telecommunication network--.

Claim 10, line 2, after "performing", delete "said restrictions", insert --the restricting of data packet numbering and restricting of the number of transmitted unacknowledged data packets--;

line 4, delete "telecommunication networks", insert -- first telecommunication network and second telecommunication network--;

lines 4-5, after "directing", delete "said telecommunication networks", insert --said first telecommunication network and second telecommunication network--.

Claim 20, line 9, delete "telecommunication networks", insert -- first telecommunication network and second telecommunication network--.

Claim 21, line 2, delete "said restrictions", insert --the restricting of the number of transmitted unacknowledged data packets to substantially 255 data packets and restricting

Art Unit: 2667

unacknowledged data packets to be placed to the buffer in the convergence protocol layer to 255 data packets--;

line 4, after "between said", delete "telecommunication networks", insert -- first telecommunication network and second telecommunication network--;

line 5, delete "telecommunication networks", insert -- first telecommunication network and second telecommunication network--.

2. The following changes to the drawings have been approved by the examiner and agreed upon by applicant: Fig. 4 is amended to recite "Prior Art" in the legend. In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance:

The present invention is directed to a method and a telecommunication system for data packet numbering in packet switched data transmission in connection with a handover. Each independent claim identifies the uniquely distinct features: regarding claim 1, in which responsibility for a connection is transferred from a connection between a mobile station and a first wireless telecommunication network to a connection between said mobile station and a second wireless telecommunication network, in which first wireless telecommunication network a data packet number space available for data packet numbering is bigger than a data packet number space of the second wireless telecommunication network, the method comprising the steps of: restricting data packet numbering in the first wireless telecommunication network such that numbers of the data packets of the first wireless telecommunication network do not exceed a maximum value of the data packet number space of the second wireless telecommunication network; regarding claim 12, in which first wireless telecommunication network a data packet number space available for data packet numbering is bigger than a data packet number space of the second wireless telecommunication network, wherein in the first wireless telecommunication network data packet numbering is arranged to be restricted such that numbers of the data packets of the first wireless telecommunication network do not exceed a maximum value of the data packet number space of the second wireless telecommunication network.. The closest prior art, Hanson et al. (US 6,546,425), Roobol et al. (US 6,301,479), Sipila et al. (US 6,134,439) disclose conventional telecommunication communication systems, either singularly or in combination, fail to anticipate or render the above features obvious.

Art Unit: 2667

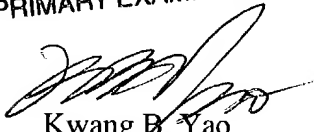
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwang B. Yao whose telephone number is 571-272-3182. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KWANG BIN YAO
PRIMARY EXAMINER



Kwang B. Yao
August 12, 2004